HAWAII, ISLAND OF OAHU

16213000 WAIKELE STREAM AT WAIPAHU

LOCATION.--Lat 21°23′11″, long 158°00′49″, Hydrologic Unit 20060000, on left bank 300 ft upstream from bridge on Highway 90, and 0.3 mi southwest of former sugar refinery at Waipahu.

DRAINAGE AREA.--45.7 mi².

PERIOD OF RECORD .-- June to October 1951, December 1951 to October 1959, July 1960 to current year.

REVISED RECORDS.--WSP 1639: 1955(M). WSP 1937: Drainage area. WSP 2137: 1965.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1.37 ft above mean sea level (by stadia survey). Prior to July 1, 1960, at site 300 ft downstream at datum 1.30 ft higher.

REMARKS.--Records computed by Vaughn Kunishige. Records good.

AVERAGE DISCHARGE.--46 years (water years 1953-59, 1961-99), 40.4 ft³/s (29,270 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, $13,600 \text{ ft}^3/\text{s}$, November 28, 1954, gage height, 14.82 ft, site and datum then in use, from rating curve extended above 730 ft³/s on basis of slope-area measurement of peak flow; no flow for part of February 25, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

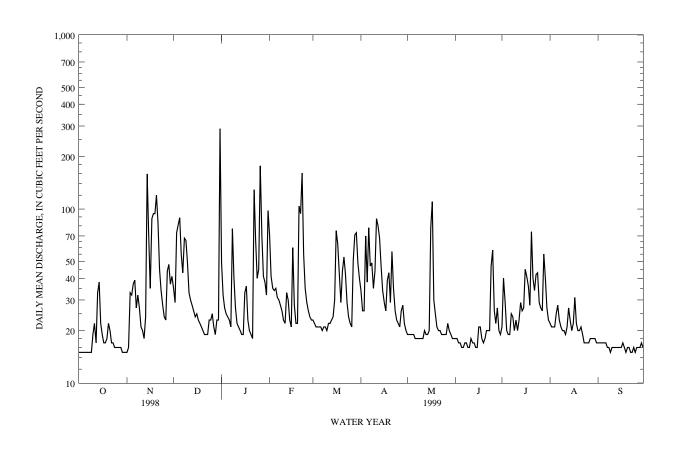
Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 31	0445	*1,350	*4.80	No other pe	eak greater than b	ase discharge.	

Minimum discharge, 14 ft³/s, October 3.

		DISCHARGE	, CUBIC	FEET PER	R SECOND, DAILY	WATER YEA		R 1998 TO	SEPTEMBE	R 1999		
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	15	35	49	71	23	34	19	18	21	22	17
2	15	16	29	32	41	22	26	19	18	40	21	17
3	15	33	73	27	35	21	26	19	17	29	21	17
4	15	32	81	25	34	21	70	19	17	20	21	17
5	15	37	89	24	35	21	38	19	16	19	25	17
6	15	39	55	23	31	21	78	18	16	19	28	17
7	15	27	43	21	30	20	47	18	17	25	23	16
8	15	32	68	77	28	21	49	18	17	24	21	16
9	15	27	66	40	26	21	35	18	16	20	20	15
10	19	21	49	27	23	20	44	18	16	23	20	16
11	22	20	33	22	22	22	88	18	18	20	19	16
12	17	18	30	21	33	22	80	20	17	23	21	16
13	33	24	28	20	30	23	68	19	17	29	27	16
14	38	159	26	19	23	24	47	19	16	26	23	16
15	22	71	24	19	21	30	34	20	16	27	20	16
15	22	71	24	19	21	30	34	20	10	21	20	10
16	19	35	25	33	60	75	29	78	21	45	22	16
17	17	88	23	36	28	63	26	110	21	41	31	17
18	17	94	22	23	22	42	39	30	18	36	22	16
19	18	94	21	20	22	29	43	25	17	28	20	15
20	22	120	20	19	104	44	29	21	18	74	20	16
21	20	83	19	18	94	53	57	20	20	40	21	16
22	17	45	19	129	161	42	35	20	20	34	19	15
23	17	34	19	66	55	29	26	19	20	42	17	15
24	16	28	23	40	35	24	23	19	47	43	17	16
25	16	24	23	45	29	22	22	19	58	29	17	15
26	16	23	25	177	26	21	21	19	26	27	17	16
27	16	44	21	70	24	51	26	22	22	26	18	16
28	16	48	19	41	23	71	28	20	27	55	18	16
29	15	37	23	38		73	22	19	20	40	18	17
30	15	41	23	32		49	20	18	19	27	18	16
31	15		289	98		40		18		23	17	
TOTAL	558	1409	1343	1331	1166	1060	1210	758	626	975	644	483
MEAN	18.0		43.3	42.9	41.6	34.2	40.3	24.5	20.9	31.5	20.8	16.1
MAX	38	159	289	177	161	75	88	110	58	74	31	17
MIN	15	15	19	18	21	20	20	18	16	19	17	15
AC-FT	1110		2660	2640	2310	2100	2400	1500	1240	1930	1280	958
AC-FI	1110	2790	2000	2040	2310	2100	2400	1500	1240	1930	1200	950
STATIST	rics of Mo	ONTHLY MEAN	DATA FO	R WATER Y	YEARS 1953	- 1999,	BY WATER	YEAR (WY)				
MEAN	32.6	50.4	49.3	60.3	54.1	54.0	49.5	32.6	24.2	29.6	25.9	22.5
MAX	97.8	198	146	222	179	195	235	99.3	51.5	76.8	90.0	68.1
(WY)	1992	1966	1966	1969	1955	1991	1963	1965	1980	1989	1958	1994
MIN	7.22	12.2	13.3	14.7	7.72	6.13	18.4	14.9	10.6	9.08	7.50	6.28
(WY)	1978	1954	1954	1986	1978	1978	1961	1954	1981	1985	1984	1975

HAWAII, ISLAND OF OAHU 16213000 WAIKELE STREAM AT WAIPAHU--Continued

SUMMARY STATISTICS	FOR 1998 CALEN	DAR YEAR	FOR 1999 WA	TER YEAR	WATER YEAR	S 1953 - 1999
ANNUAL TOTAL	9628		11563			
ANNUAL MEAN	26.4		31.7		40.4	
HIGHEST ANNUAL MEAN					77.3	1969
LOWEST ANNUAL MEAN					18.5	1954
HIGHEST DAILY MEAN	289	Dec 31	289	Dec 31	2590	Mar 21 1991
LOWEST DAILY MEAN	15	Aug 16	15	Oct 1	.61	Feb 25 1978
ANNUAL SEVEN-DAY MINIMUM	15	Sep 30	15	Oct 1	2.5	Feb 24 1978
ANNUAL RUNOFF (AC-FT)	19100		22940		29270	
10 PERCENT EXCEEDS	41		59		63	
50 PERCENT EXCEEDS	19		22		24	
90 PERCENT EXCEEDS	16		16		12	



HAWAII, ISLAND OF OAHU

16213000 WAIKELE STREAM AT WAIPAHU--Continued WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967-95, January to September 1999.

PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: April 1973 to September 1981. January to September 1999.

WATER TEMPERATURE: April 1973 to September 1981. January to September 1999.

SUSPENDED-SEDIMENT DISCHARGE: July 1972 to August 1993.

INSTRUMENTATION.--Specific conductance and temperature monitor form April 1973 to September 1981, and January to September 1999. Automatic water-quality (point) sampler from March to September 1999.

REMARKS.--Water-quality samples were collected monthly beginning in March 1999. Monthly samples were collected near the centroid of flow using the open-bottle sampling method. Additional samples were collected during storm events (May 16 and June 25) using an automatic (point) sampler located on the left bank of the stream. Missing daily record from Jan. 18 to Mar. 2 was caused by vandalism.

EXTREMES FOR THE PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: Maximum recorded (water years 1974, 1976-81), 796 microsiemens per centimeter, Dec. 1, 1980; minimum (water years 1974, 1976-80), 30 microsiemens per centimeter, Apr. 19, 1974.

WATER TEMPERATURE: Maximum recorded (water years 1973-74, 1976-81), 30.0°C, May 6, 1973; minimum (water years 1974, 1976-81), 16.0°C, Mar. 16, 1976.

SEDIMENT CONCENTRATION: Maximum daily mean, 3,420 mg/L, Feb. 7, 1976; minimum daily mean, 1 mg/L, Mar. 16, 20-22, 1989, July 10, 1990.

SEDIMENT DISCHARGE: Maximum daily, 32,200 tons, Apr. 19, 1974; minimum daily, less than 0.01 ton, Aug. 29, 30, 1992.

EXTREMES FOR THE CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 723 microsiemens per centimeter, May 26; minimum, 93 microsiemens per centimeter, May 16. WATER TEMPERATURE: Maximum, 24.5°C on several days; minimum, 19.5°C, Mar. 21.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN, DIS- SOLVED (MG/L) (00300)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)
MAR									
15	1250	30	96	8.3	412	22.5	12	11	2.2
APR									
19	1350	37			271	21.5	6.8	6.6	1.5
MAY									
12	1300	20	90	7.7	455	23.0	13	11	2.2
16	2200	308			93	22.5	4.2	2.5	2.4
JUN									
08	1030	16	93	7.9	503	22.5	14	12	2.4
25	0640	68			159	21.5	5.1	3.8	1.2
JUL									
16	1050	36	90	7.7	278	23.0	8.3	7.1	1.7
AUG									
10	1120	22	83	7.2	443	22.5	13	12	2.1
31	1300	17	91	7.7	498	23.5			
SEP									
09	1000	16	80	7.0	521	22.0	14	14	2.3

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	AS SIO2)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	(MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
MAR									
15 APR	48	54	66	80	.1	47	15	< .02	<.1
19	28	31	38	48	<.1	27	8.9	.03	<.1
MAY 12	50	58	71	83	.1	49	16	.02	.1
16	8.4	20	24	11	<.1	7.3	4.5	<.02	E.08
JUN									
08	58	59	72	98	.1	55	19	.06	E.07
25	18	20		27	<.1	15	6.2	.07	.3
JUL 16	32	36	44	51	. 2	31	9.1	<.02	. 2
AUG	32	30	77	31	. 2	31	J.1	1.02	. 2
10	54	55	67	85	.1	55	18	.02	.1
31 SEP		62	75						
09	64	61	74	100	.1	61	21	.04	E.08
DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
DATE MAR	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	GEN, NITRITE DIS- SOLVED (MG/L AS N)	PHORUS DIS- SOLVED (MG/L AS P)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	PHORUS TOTAL (MG/L AS P)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	DIS- SOLVED (UG/L AS FE)	NESE, DIS- SOLVED (UG/L AS MN)
MAR 15	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	GEN, NITRITE DIS- SOLVED (MG/L AS N)	PHORUS DIS- SOLVED (MG/L AS P)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	PHORUS TOTAL (MG/L AS P)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	DIS- SOLVED (UG/L AS FE)	NESE, DIS- SOLVED (UG/L AS MN)
MAR 15 APR 19	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHORUS TOTAL (MG/L AS P) (00665)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	DIS- SOLVED (UG/L AS FE) (01046)	NESE, DIS- SOLVED (UG/L AS MN) (01056)
MAR 15 APR 19 MAY	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.08	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.01	PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHORUS TOTAL (MG/L AS P) (00665)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 271	DIS- SOLVED (UG/L AS FE) (01046)	NESE, DIS- SOLVED (UG/L AS MN) (01056)
MAR 15 APR 19	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHORUS TOTAL (MG/L AS P) (00665)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	DIS- SOLVED (UG/L AS FE) (01046)	NESE, DIS- SOLVED (UG/L AS MN) (01056)
MAR 15 APR 19 MAY 12 16 JUN	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.08 .1 .2 1.7	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 1.2 .51 1.3 .25	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.01 <.01 <.01 <.01	PHORUS DIS- SOLVED (MG/L AS P) (00666) .14 .073 .15 .046	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .15 .06	PHORUS TOTAL (MG/L AS P) (00665) .16 .096 .17 .58	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 271 160 284 62	DIS- SOLVED (UG/L AS FE) (01046) 10 23 13 240	NESE, DIS- SOLVED (UG/L AS MN) (01056) 40 22 38 <3
MAR 15 APR 19 MAY 12 16 JUN 08	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.08 .1 .2 1.7	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 1.2 .51 1.3 .25 1.6	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.01 <.01 <.01 <.01 <.01	PHORUS DIS- SOLVED (MG/L AS P) (00666) .14 .073 .15 .046	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .15 .06 .14 .04	PHORUS TOTAL (MG/L AS P) (00665) .16 .096 .17 .58	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 271 160 284 62 336	DIS- SOLVED (UG/L AS FE) (01046) 10 23 13 240 E7	NESE, DIS- SOLVED (UG/L AS MN) (01056) 40 22 38 <3
MAR 15 APR 19 MAY 12 16 JUN 08 25	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.08 .1 .2 1.7	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 1.2 .51 1.3 .25	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.01 <.01 <.01 <.01	PHORUS DIS- SOLVED (MG/L AS P) (00666) .14 .073 .15 .046	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .15 .06	PHORUS TOTAL (MG/L AS P) (00665) .16 .096 .17 .58	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 271 160 284 62	DIS- SOLVED (UG/L AS FE) (01046) 10 23 13 240	NESE, DIS- SOLVED (UG/L AS MN) (01056) 40 22 38 <3
MAR 15 APR 19 MAY 12 16 JUN 08 25 JUL 16	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.08 .1 .2 1.7	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 1.2 .51 1.3 .25 1.6	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.01 <.01 <.01 <.01 <.01	PHORUS DIS- SOLVED (MG/L AS P) (00666) .14 .073 .15 .046	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .15 .06 .14 .04	PHORUS TOTAL (MG/L AS P) (00665) .16 .096 .17 .58	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 271 160 284 62 336	DIS- SOLVED (UG/L AS FE) (01046) 10 23 13 240 E7	NESE, DIS- SOLVED (UG/L AS MN) (01056) 40 22 38 <3
MAR 15 APR 19 MAY 12 16 JUN 08 25 JUL	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.08 .1 .2 1.7 <.1 .5	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 1.2 .51 1.3 .25 1.6 .36	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.01 <.01 <.01 <.01 <.01 <.01	PHORUS DIS- SOLVED (MG/L AS P) (00666) .14 .073 .15 .046	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .15 .06 .14 .04 .19 .04	PHORUS TOTAL (MG/L AS P) (00665) .16 .096 .17 .58 .18 .11	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 271 160 284 62 336 96	DIS- SOLVED (UG/L AS FE) (01046) 10 23 13 240 E7 100	NESE, DIS- SOLVED (UG/L AS MN) (01056) 40 22 38 <3 45
MAR 15 APR 19 MAY 12 16 JUN 08 25 JUL 16 AUG	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E.08 .1 .2 1.7 <.1 .5	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 1.2 .51 1.3 .25 1.6 .36 .74	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.01 <.01 <.01 <.01 <.01 <.01 <.01 <.0	PHORUS DIS- DIS- SOLVED (MG/L AS P) (00666) .14 .073 .15 .046 .17 .043	PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671) .15 .06 .14 .04 .19 .04	PHORUS TOTAL (MG/L AS P) (00665) .16 .096 .17 .58 .18 .11	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 271 160 284 62 336 96	DIS- SOLVED (UG/L AS FE) (01046) 10 23 13 240 E7 100	NESE, DIS- SOLVED (UG/L AS MN) (01056) 40 22 38 <3 45 12

DATE	DIS- SOLVED (MG/L AS C)	SUS- PENDED	(MG/L)	FIELD (STAND- ARD UNITS)
MAR				
15	.7	.3	7	7.6
APR				
19	1.4	.5	12.0	7.5
MAY			_	
12	1.5		5	7.6
16	3.4	>4.3	1180	7.8
JUN				
08	. 4	. 3	3	7.4
25	4.5	2.3	45	8.2
JUL				
16	1.9	.6	17	7.3
AUG				
10	. 7	.3	7	7.5
31			6	7.7
SEP				
09	. 4	. 3	4	7.4

HAWAII, ISLAND OF OAHU 16213000 WAIKELE STREAM AT WAIPAHU--Continued

WATER-QUALITY RECORDS

	DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	
	JUN 25	28	<1	<1	3	<1	<1	<1.0	<1	
	JUL 16	6	<1	<1	4	<1	<1	<1.0	<1	
	AUG									
	10 SEP	2	<1	<1	6	<1	<1	<1.0	<1	
	09	2	<1	<1	7	<1	<1	<1.0	<1	
	DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	LEAD, DIS- SOLVED (UG/L AS PB)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	
	JUN 25	2	<1	<1	<1	<1	<1	<1	<1	
	JUL 16	<1	<1	<1	<1	<1	<1	1	<1	
	AUG 10	4	<1	<1	<1	<1	<1	3	<1	
	SEP 09	1	<1	<1	<1	<1	<1	<1	<1	
	03	<u> </u>	`-	11		`_	~±	1	~_	
DATE	(UG/L)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	DISS, REC (UG/L)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)
JUN 25	<.003	<.002	<.002	<.002	<.004	<.002	<.002	E.0124	<.003	<.004
JUL 16	<.003	<.002	<.002	<.002	<.001	<.002	<.002	<.003	<.003	<.004
AUG 10	<.003	<.002	<.002	<.002	.0062	<.002	<.002	<.003	<.003	<.004
SEP 09	<.003	<.002			.0058	<.002			<.003	<.004
09	V.003	V.002	V.002	V.002	.0038	<.00Z	<.002	V.003	V.003	V.004
DATE	DISS, REC (UG/L)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DISS,	DI- AZINON, DIS- SOLVED (UG/L)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	0.7 U GF, REC (UG/L)	WATER	WAT FLT 0.7 U GF, REC (UG/L)	0.7 U	FONOFOS WATER DISS REC (UG/L) (04095)
JUN 25	<.004	<.002	<.002	.0083	<.001	<.017	<.002	<.004	<.003	<.003
JUL 16	<.004	<.002	<.002	<.002	<.001	<.017	<.002	<.004	<.003	<.003
AUG 10	<.004	<.002	E.0029	<.002	<.001	<.017	<.002	<.004	<.003	<.003
SEP										

DATE	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	0.7 U	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	WATER	WATER DISSOLV (UG/L)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)
JUN										
25 JUL	<.004	<.002	<.005	<.001	<.006	<.002	< .004	<.004	<.003	<.006
16	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004	<.003	<.006
10 SEP	<.004	<.002	<.005	<.001	<.006	<.002	< .004	< .004	<.003	<.006
09	<.004	<.002	<.005	<.001	<.006	<.002	<.004	<.004	<.003	<.006
	DATE	(UG/L)	0.7 U	0.7 U GF, REC (UG/L)	CIS WAT FLT 0.7 U GF, REC (UG/L)	0.7 U	PRO- METON, WATER, DISS, REC (UG/L) (04037)	0.7 U GF, REC (UG/L)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	
		(39342)	(82083)	(82009)	(82087)	(82004)	(04037)	(82070)	(04024)	
	JUN 25	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	
	JUL 16	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	
	AUG 10	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	
	SEP 09	<.004	<.004	<.004	<.005	<.002	<.018	<.003	<.007	
	DATE	(UG/L)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)		(UG/L)	WATER FLTRD 0.7 U	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	FLTRD 0.7 U	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	
	JUN									
	25 JUL	<.004	<.013	.0160	<.010	<.007		<.002	<.002	
	16 AUG	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.002	
	10 SEP	<.004	<.013	<.005	<.010	<.007	<.013	<.002	<.002	
	09	<.004	<.013	<.005	<.010	<.007	<.013	<.002	< .002	

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

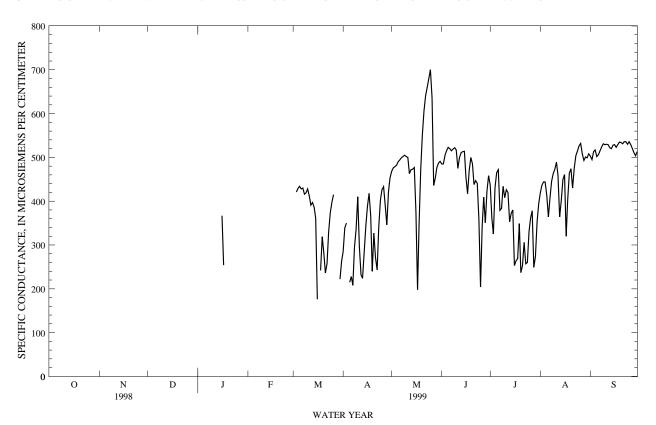
SP	PECIFIC (CONDUCTA	INCE (FIECK									
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		No	OVEMBER		DI	ECEMBER			JANUARY	
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16										434	170	367
17										321	170	254
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
MONTH												
MONTH												
MONTH		 FEBRUARY			MARCH			 APRIL			MAY	
	1	FEBRUARY			MARCH			APRIL			MAY	
1					MARCH		312	APRIL 258	285	474	MAY 464	468
1 2	1	FEBRUARY			MARCH		312 360	APRIL 258 312	285 339	474 479	MAY 464 473	468 476
1	 	FEBRUARY 	 		MARCH		312	APRIL 258	285	474	MAY 464	468
1 2 3	 	FEBRUARY 	 	 425	MARCH 418	 421	312 360 383	APRIL 258 312 289	285 339 350	474 479 481	MAY 464 473 475	468 476 479
1 2 3 4 5	 	FEBRUARY 	 	 425 435 436	MARCH 418 425 432	 421 429 434	312 360 383 258	258 312 289 173	285 339 350 215	474 479 481 497 500	MAY 464 473 475 467 480	468 476 479 482 490
1 2 3 4 5	 	FEBRUARY		 425 435 436	MARCH 418 425 432 426	 421 429 434	312 360 383 258	258 312 289 173	285 339 350 215	474 479 481 497 500	MAY 464 473 475 467 480	468 476 479 482 490
1 2 3 4 5	 	FEBRUARY 	 	 425 435 436 432 431	MARCH 418 425 432 426 428	 421 429 434 428 430	312 360 383 258 328 282	258 312 289 173 104 134	285 339 350 215 228 208	474 479 481 497 500 502 504	MAY 464 473 475 467 480 488 496	468 476 479 482 490 494 499
1 2 3 4 5		FEBRUARY		 425 435 436	MARCH 418 425 432 426	 421 429 434	312 360 383 258	258 312 289 173	285 339 350 215	474 479 481 497 500	MAY 464 473 475 467 480	468 476 479 482 490
1 2 3 4 5		FEBRUARY		425 435 436 432 431 430	MARCH 418 425 432 426 428 404	 421 429 434 428 430 416	312 360 383 258 328 282 308	258 312 289 173 104 134 282	285 339 350 215 228 208 295	474 479 481 497 500 502 504 506	MAY 464 473 475 467 480 488 496 500	468 476 479 482 490 494 499 502
1 2 3 4 5 6 7 8 9		FEBRUARY		425 435 436 432 431 430 422 438	MARCH 418 425 432 426 428 404 406 420	421 429 434 428 430 416 419 428	312 360 383 258 328 282 308 383 425	258 312 289 173 104 134 282 305 383	285 339 350 215 228 208 295 336 410	474 479 481 497 500 502 504 506 508 507	MAY 464 473 475 467 480 488 496 500 501 494	468 476 479 482 490 494 499 502 505
1 2 3 4 5 6 7 8 9 10		FEBRUARY		425 435 436 432 431 430 422 438	MARCH 418 425 432 426 428 404 406 420 359	421 429 434 428 430 416 419 428	312 360 383 258 328 282 308 383 425	258 312 289 173 104 134 282 305 383	285 339 350 215 228 208 295 336 410	474 479 481 497 500 502 504 506 508 507	MAY 464 473 475 467 480 488 496 500 501 494	468 476 479 482 490 494 499 502 505 502
1 2 3 4 5 6 7 8 9 10		FEBRUARY		435 436 436 432 431 430 422 438	MARCH 418 425 432 426 428 404 406 420 359 369	 421 429 434 428 430 416 419 428 412 391	312 360 383 258 328 282 308 383 425 411 256	258 312 289 173 104 134 282 305 383	285 339 350 215 228 208 295 336 410	474 479 481 497 500 502 504 506 508 507	MAY 464 473 475 467 480 488 496 500 501 494	468 476 479 482 490 494 499 502 505 502
1 2 3 4 5 6 7 8 9 10		FEBRUARY		425 435 436 432 431 430 422 438 439 408	MARCH 418 425 432 426 428 404 406 420 359 369 386	 421 429 434 428 430 416 419 428 412 391 397	312 360 383 258 328 282 308 383 425 411 256 240	258 312 289 173 104 134 282 305 383	285 339 350 215 228 208 295 336 410 296 232 224	474 479 481 497 500 502 504 506 508 507 521 497 487	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455	468 476 479 482 490 494 499 505 502 500 463 472
1 2 3 4 5 6 7 8 9 10		FEBRUARY		435 436 436 432 431 430 422 438	MARCH 418 425 432 426 428 404 406 420 359 369	 421 429 434 428 430 416 419 428 412 391	312 360 383 258 328 282 308 383 425 411 256	258 312 289 173 104 134 282 305 383	285 339 350 215 228 208 295 336 410	474 479 481 497 500 502 504 506 508 507	MAY 464 473 475 467 480 488 496 500 501 494	468 476 479 482 490 494 499 502 505 502
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		435 436 432 431 430 422 438 439 408 408 408 408 408	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221	 421 429 434 428 430 416 419 428 412 391 397 386 361	312 360 383 258 328 282 308 383 425 411 256 240 337 360	258 312 289 173 104 134 282 305 383 196 210 210 225 336	285 339 350 215 228 208 295 336 410 296 232 224 283 343	474 479 481 497 500 502 504 506 508 507 521 497 487 486 483	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		425 435 436 432 431 430 422 438 439 408 408 397 415	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146	 421 429 434 428 430 416 419 428 412 391 397 386 361	312 360 383 258 328 282 308 383 425 411 256 240 337 360	258 312 289 173 104 134 282 305 383 196 210 225 336	285 339 350 215 228 208 295 336 410 296 232 224 283 343	474 479 481 497 500 502 504 506 508 507 521 497 486 483	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		435 436 432 431 430 422 438 439 408 397 415	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146	428 434 428 430 416 419 428 412 391 397 386 361	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440	258 312 289 173 104 134 282 305 383 196 210 210 225 336 360 404	285 339 350 215 228 208 295 336 410 296 232 224 283 343	474 479 481 497 500 502 504 506 508 507 521 497 487 486 483	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477
1 2 3 4 4 5 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18		FEBRUARY		432 435 436 432 431 430 422 438 439 408 408 397 415	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146 175	428 430 416 419 428 430 416 419 428 412 391 397 386 361	312 360 383 258 328 282 308 383 425 411 256 240 337 360	APRIL 258 312 289 173 104 134 282 305 383 196 210 210 225 336 360 404 202	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367	474 479 481 497 500 502 504 506 508 507 521 497 487 486 483	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477 377 198 348
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15		FEBRUARY		435 436 432 431 430 422 438 439 408 397 415	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146	428 434 428 430 416 419 428 412 391 397 386 361	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440	258 312 289 173 104 134 282 305 383 196 210 210 225 336 360 404	285 339 350 215 228 208 295 336 410 296 232 224 283 343	474 479 481 497 500 502 504 506 508 507 521 497 487 486 483	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		FEBRUARY		435 436 432 431 430 422 438 439 408 397 415 232 295 343 361	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146 175 295 209	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352	APRIL 258 312 289 173 104 134 282 305 383 196 210 210 225 336 404 202 204 298	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327	474 479 481 497 500 502 504 506 508 507 521 497 486 483 484 271 420 519 578	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477 377 198 348 472 551
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		FEBRUARY		 425 435 436 432 431 430 422 438 439 408 408 397 415 232 295 343 361	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146 175 295 209	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352 373	APRIL 258 312 289 173 104 134 282 305 383 196 210 210 225 336 360 404 202 204 298 181	285 339 350 215 228 208 295 336 410 296 232 224 283 343 343 388 418 367 240 327	474 479 481 497 500 502 504 506 508 507 521 497 487 486 483 484 271 420 519 578	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 113 271 420 519	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477 377 198 348 472 551
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		FEBRUARY		435 435 436 432 431 430 422 438 439 408 397 415 232 295 343 361	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146 175 295 209	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352	APRIL 258 312 289 173 104 134 282 305 383 196 210 225 336 360 404 202 204 298 181 188	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327	474 479 481 497 500 502 504 506 508 507 521 497 486 483 484 271 420 519 578	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519 578 627	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477 377 198 348 472 551
1 2 3 4 4 5 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23		FEBRUARY		432 435 436 432 431 430 422 438 439 408 397 415 232 295 343 361 253 299 359	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146 175 295 209	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352	APRIL 258 312 289 173 104 134 282 305 383 196 210 225 336 360 404 202 204 298 181 188 298	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327 271 243 342	474 479 481 497 500 502 504 506 508 507 521 497 486 483 484 271 420 519 578 627 650 668	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519 578 627 647	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477 377 198 348 477 551 606 641 659
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		FEBRUARY		435 435 436 432 431 430 422 438 439 408 397 415 232 295 343 361	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146 175 295 209	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352	APRIL 258 312 289 173 104 134 282 305 383 196 210 225 336 360 404 202 204 298 181 188	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327	474 479 481 497 500 502 504 506 508 507 521 497 486 483 484 271 420 519 578	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519 578 627	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477 377 198 348 472 551
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25		FEBRUARY		432 435 436 432 431 430 422 438 408 408 397 415 232 295 343 361 253 299 359 389 408	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146 175 295 209 193 227 299 359	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281 236 257 330 374	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352 373 298 3421	APRIL 258 312 289 173 104 134 282 305 383 196 210 210 225 336 360 404 202 204 298 181 188 298 377	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327 271 243 342 402	474 479 481 497 500 502 504 506 508 507 521 497 487 486 483 484 271 420 519 578 627 650 668 690	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519 578 627 647 668	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477 377 198 348 472 551 606 641 659 680
1 2 3 4 4 5 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26		FEBRUARY		 425 435 436 432 431 430 422 438 439 408 397 415 232 295 343 361 253 299 359 389 408 434	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146 175 295 209 193 227 299 359 387	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281 236 257 330 374 398 415	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352 373 298 384 421 431	APRIL 258 312 289 173 104 134 282 305 383 196 210 225 336 404 202 204 298 181 188 298 377 421 428	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327 271 243 342 402 426 433	474 479 481 497 500 502 504 506 508 507 521 497 486 483 484 271 420 519 578 627 650 668 690 714	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519 578 627 647 668 682	468 476 479 482 490 494 499 502 505 502 500 463 473 477 377 198 348 477 551 606 641 659 680 700
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27		FEBRUARY		425 435 436 432 431 430 422 438 408 408 397 415 232 295 343 361 253 299 359 369 408	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146 175 295 209 193 227 299 389 387	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281 236 257 330 374 398	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 449 298 352 373 298 384 421 431	APRIL 258 312 289 173 104 134 282 305 383 196 210 225 336 360 404 202 204 298 181 188 298 181 188 298 181 1428 296	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327 271 243 342 402 426 433 391	474 479 481 497 500 502 504 506 508 507 521 497 486 483 484 271 420 519 578 627 650 668 690 714	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519 578 627 647 668 682 480 414	468 476 479 482 490 494 499 502 5052 500 463 472 473 477 377 198 348 472 551 606 641 659 680 700
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		FEBRUARY		 425 435 436 432 431 430 422 438 439 408 397 415 232 295 343 361 253 299 359 408 434 212	MARCH 418 425 432 426 428 404 406 420 359 386 374 221 146 175 209 193 227 299 359 387 403 155	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281 236 257 330 374 398 415 182	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352 373 298 384 421 431	APRIL 258 312 289 173 104 134 282 305 383 196 210 225 336 360 404 202 204 298 181 188 298 377 421 428 296 303	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327 271 243 342 402 426 433 391 346	474 479 481 497 500 502 504 506 508 507 521 497 486 483 484 271 420 519 578 627 650 668 690 714 723 484 468	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519 578 627 647 668 682 480 414 434	468 476 479 482 490 494 502 505 502 500 463 472 473 477 377 198 348 472 551 606 641 659 680 700
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29		FEBRUARY		432 435 436 432 431 430 422 438 439 408 397 415 232 295 343 361 253 299 359 389 408 434 	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146 175 295 209 193 3227 299 359 387 403 155	428 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281 236 257 330 374 398 415 	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352 373 298 384 421 431	APRIL 258 312 289 173 104 134 282 305 383 196 210 225 336 360 404 202 204 298 181 188 298 377 421 428 296 303 395	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327 271 243 342 402 426 433 391 346 421	474 479 481 497 500 502 504 506 508 507 521 497 486 483 484 271 420 519 578 627 650 668 690 714 723 484 484 484	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519 578 627 647 668 682 480 414 434 4468	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477 377 198 348 477 606 641 659 680 700 636 4453 477
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		FEBRUARY		 425 435 436 432 431 430 422 438 439 408 397 415 232 295 343 361 253 299 359 408 434 212	MARCH 418 425 432 426 428 404 406 420 359 386 374 221 146 175 209 193 227 299 359 387 403 155	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281 236 257 330 374 398 415 182	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352 373 298 384 421 431	APRIL 258 312 289 173 104 134 282 305 383 196 210 225 336 360 404 202 204 298 181 188 298 377 421 428 296 303	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327 271 243 342 402 426 433 391 346	474 479 481 497 500 502 504 506 508 507 521 497 486 483 484 271 420 519 578 627 650 668 690 714 723 484 468	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519 578 627 647 668 682 480 414 434	468 476 479 482 490 494 502 505 502 500 463 472 473 477 377 198 348 472 551 606 641 659 680 700
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31		FEBRUARY		 425 435 436 432 431 430 422 438 439 408 408 397 415 232 295 343 361 253 299 359 408 434 212 272 286	MARCH 418 425 432 426 428 404 406 420 359 389 386 374 221 146 175 295 209 193 227 299 359 387 403 171 228	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281 236 257 330 374 398 415 182 182 222 263	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352 373 298 384 421 431 439 449 395 443 469 	APRIL 258 312 289 173 104 134 282 305 383 196 210 225 336 404 202 204 298 181 188 298 377 421 428 296 303 395 435	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327 271 243 342 402 426 433 391 346 421 453	474 479 481 497 500 502 504 506 508 507 521 497 486 483 484 271 420 519 578 627 650 668 690 714 723 484 468 484 493 496	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519 578 627 647 668 682 480 414 434 468 484 488	468 476 479 482 490 494 499 502 505 502 500 463 472 473 477 377 198 348 472 551 606 641 659 680 700 636 453 477 487 491
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		FEBRUARY		 425 435 436 432 431 430 422 438 439 408 397 415 232 295 343 361 253 299 359 389 408 434 212 2 272	MARCH 418 425 432 426 428 404 406 420 359 369 386 374 221 146 175 295 209 193 227 299 359 387 403 155 171	 421 429 434 428 430 416 419 428 412 391 397 386 361 176 242 319 281 236 257 330 374 398 415 182 	312 360 383 258 328 282 308 383 425 411 256 240 337 360 408 440 439 298 352 373 298 384 421 431 439 449 395 343 469	APRIL 258 312 289 173 104 134 282 305 383 196 210 210 225 336 360 404 202 204 298 181 188 298 377 421 428 296 303 395 435	285 339 350 215 228 208 295 336 410 296 232 224 283 343 388 418 367 240 327 271 243 342 402 426 433 391 346 421 453	474 479 481 497 500 502 504 506 508 507 521 497 486 483 484 271 420 519 578 627 650 668 690 714 723 484 468 484 493	MAY 464 473 475 467 480 488 496 500 501 494 469 443 455 461 444 96 113 271 420 519 578 627 668 682 480 414 434 468 484	468 476 479 482 490 494 499 502 505 502 500 463 477 477 377 198 348 472 551 606 641 659 680 700 636 436 436 437 487

HAWAII, ISLAND OF OAHU 16213000 WAIKELE STREAM AT WAIPAHU--Continued

WATER-QUALITY RECORDS

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN									
		JUNE			JULY		P	AUGUST		\$	SEPTEMBE	R
1	496	480	485	475	379	437	429	406	418	513	466	503
2	491	481	485	424	136	361	451	419	436	505	470	495
3	510	491 509	505	402	174 402	325	449	430	444	535	495	513
4 5	523 526	519	515 523	454 475	454	431 465	453 454	433 327	444 413	535 523	507 486	517 502
5	526	219	523	4/5	454	405	454	321	413	523	400	502
6	522	518	520	479	445	472	394	332	364	515	493	506
7	519	511	515	445	319	379	434	366	406	534	494	515
8	525	516	519	404	355	384	461	426	445	532	497	524
9	528	512	522	450	404	434	470	460	463	532	530	531
10	523	514	517	452	370	408	493	455	473	538	507	529
11	516	452	475	450	400	426	493	472	489	533	528	530
12	509	490	500	455	376	420	476	418	459	532	521	529
13	514	509	511	410	319	353	418	343	364	532	504	522
14 15	515	511	513	393	347 318	372 380	431	369 431	401	534	497 504	520 528
15	516	513	514	417	318	380	465	431	449	538	504	528
16	518	337	455	318	188	253	475	292	461	539	509	529
17	447	371	417	308	173	264	366	275	320	532	502	523
18	490	447	470	329	189	269	439	366	403	536	512	529
19	508	490	500	375	323	349	491	439	464	538	531	535
20	510	430	485	385	133	237	496	399	474	545	526	534
0.1	451	106	420	206	106	252	451	200	420	F 40	F00	F 2 1
21 22	451 472	426 417	438 447	306 335	196 256	253 306	451 493	399 451	430 475	549 539	509 531	531 536
23	464	417	441	311	210	257	513	493	504	542	529	536
24	485	126	359	318	195	260	535	495	514	544	505	530
25	282	126	204	355	292	330	541	504	526	545	531	536
23	202	120	204	333	272	330	341	304	320	343	331	330
26	391	282	342	369	348	361	541	512	532	539	518	529
27	423	391	409	393	354	378	535	486	508	532	491	520
28	406	320	351	354	163	249	503	483	493	528	498	511
29	447	389	423	326	197	274	506	495	501	521	490	504
30	473	443	458	376	326	352	513	476	499	527	492	513
31				406	376	394	513	500	508			
MONTH	528	126	461	479	133	349	541	275	454	549	466	522



WATER TEMPERATURE, (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

							OCTOBER I					
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER		N	OVEMBER		D	ECEMBER			JANUARY	
1												
2												
3 4												
5												
3												
6												
7												
8 9												
10												
11												
12												
13 14												
15												
16										22.0	20 5	01 5
16 17										23.0 21.5	20.5 20.0	21.5 21.0
18												
19												
20												
21												
22												
23												
24 25												
23												
26												
27												
28												
29 30												
31												
MONTH												
		FEBRUARY			MARCH			APRIL			MAY	
1							23.0	21.0	22.0	23.0	21.5	22.0
1 2 3		 	 	 22.5	 20.5	 21.5	23.0 23.0 23.0	21.0 21.0 21.0	22.0 22.0 21.5	23.0 23.5 23.0	21.5 21.5 21.0	22.0 22.0 22.0
2							23.0	21.0	22.0	23.5	21.5	22.0
2 3				22.5	20.5	21.5	23.0 23.0	21.0 21.0	22.0 21.5	23.5 23.0	21.5 21.0	22.0 22.0
2 3 4 5		 	 	22.5 22.5 23.0	20.5 20.5 21.0	21.5 21.5 21.5	23.0 23.0 21.5 23.0	21.0 21.0 20.0 20.0	22.0 21.5 21.0 21.0	23.5 23.0 23.5 23.5	21.5 21.0 21.0 21.0	22.0 22.0 22.0 22.0
2 3 4 5			 	22.5 22.5 23.0 22.0	20.5 20.5 21.0	21.5 21.5 21.5 21.5	23.0 23.0 21.5 23.0	21.0 21.0 20.0 20.0	22.0 21.5 21.0 21.0	23.5 23.0 23.5 23.5	21.5 21.0 21.0 21.0	22.0 22.0 22.0 22.0 22.0
2 3 4 5		 	 	22.5 22.5 23.0	20.5 20.5 21.0	21.5 21.5 21.5	23.0 23.0 21.5 23.0	21.0 21.0 20.0 20.0	22.0 21.5 21.0 21.0	23.5 23.0 23.5 23.5	21.5 21.0 21.0 21.0	22.0 22.0 22.0 22.0
2 3 4 5 6 7 8 9				22.5 22.5 23.0 22.0 23.0 23.0 23.0	20.5 20.5 21.0 21.0 21.0 21.0 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0	23.0 23.0 21.5 23.0 21.5 23.0 23.0 23.5	21.0 21.0 20.0 20.0 20.5 20.5 20.0 21.0 20.5	22.0 21.5 21.0 21.0 21.0 21.0 22.0 22.0	23.5 23.0 23.5 23.5 23.5 23.5 23.5 24.0	21.5 21.0 21.0 21.0 21.0 21.0 21.0 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.0 22.0
2 3 4 5 6 7 8				22.5 22.5 23.0 22.0 23.0 23.0	20.5 20.5 21.0 21.0 21.0 21.0	21.5 21.5 21.5 21.5 21.5 21.5 22.0	23.0 23.0 21.5 23.0 21.5 23.0 23.0	21.0 21.0 20.0 20.0 20.5 20.0 21.0	22.0 21.5 21.0 21.0 21.0 21.0 22.0	23.5 23.0 23.5 23.5 23.5 23.5 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.0	22.0 22.0 22.0 22.0 22.0 22.0 22.0
2 3 4 5 6 7 8 9				22.5 22.5 23.0 22.0 23.0 23.0 23.0	20.5 20.5 21.0 21.0 21.0 21.0 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0	23.0 23.0 21.5 23.0 21.5 23.0 23.0 23.5	21.0 21.0 20.0 20.0 20.5 20.5 20.0 21.0 20.5	22.0 21.5 21.0 21.0 21.0 21.0 22.0 22.0	23.5 23.0 23.5 23.5 23.5 23.5 23.5 24.0	21.5 21.0 21.0 21.0 21.0 21.0 21.0 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.0 22.0
2 3 4 5 6 7 8 9 10			 	22.5 22.5 23.0 22.0 23.0 23.0 23.0 23.0 23.5	20.5 20.5 21.0 21.0 21.0 21.0 21.5 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.0 23.5 23.0	21.0 21.0 20.0 20.0 20.5 20.0 21.0 20.5 21.0	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 22.0 21.0 20.5	23.5 23.0 23.5 23.5 23.5 23.5 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.0 22.5
2 3 4 5 6 7 8 9 10				22.5 22.5 23.0 22.0 23.0 23.0 23.0 22.5 23.5 23.5	20.5 20.5 21.0 21.0 21.0 21.0 21.5 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.0 22.5	21.0 21.0 20.0 20.0 20.5 20.0 21.0 20.5 21.0 20.5 21.0	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 22.0 21.0 20.5 21.0	23.5 23.0 23.5 23.5 23.5 23.5 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.0 22.5 22.0
2 3 4 5 6 7 8 9 10 11 12 13 14				22.5 22.5 23.0 23.0 23.0 23.0 23.0 22.5 23.5 23.0 23.5	20.5 20.5 21.0 21.0 21.0 21.5 21.5 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.0 22.5 22.5	21.0 21.0 20.0 20.0 20.5 20.0 21.0 20.5 21.0 20.5 20.0 20.0	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 22.0 21.0 20.5 21.0 21.5	23.5 23.0 23.5 23.5 23.5 23.5 23.5 24.0 23.5 23.5 24.0	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10				22.5 22.5 23.0 22.0 23.0 23.0 23.0 22.5 23.5 23.5	20.5 20.5 21.0 21.0 21.0 21.0 21.5 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.0 22.5	21.0 21.0 20.0 20.0 20.5 20.0 21.0 20.5 21.0 20.5 21.0	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 22.0 21.0 20.5 21.0	23.5 23.0 23.5 23.5 23.5 23.5 23.5 24.0 23.5 23.5 24.0	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.0 22.5 22.0
2 3 4 5 6 7 8 9 10 11 12 13 14				22.5 22.5 23.0 23.0 23.0 23.0 23.0 22.5 23.5 23.5 23.0 22.5	20.5 20.5 21.0 21.0 21.0 21.0 21.5 21.0 21.5 21.0 21.5 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 21.5 22.0 22.0 21.5 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.0 22.5 22.5 23.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.5 20.0 20.0 20.0	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 22.0 21.0 20.5 21.5 21.5	23.5 23.0 23.5 23.5 23.5 23.5 23.5 24.0 23.5 23.5 24.0	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15				22.5 22.5 23.0 22.0 23.0 23.0 23.0 22.5 23.5 23.0 23.0 22.5 23.0 23.0	20.5 20.5 21.0 21.0 21.0 21.0 21.5 21.0 21.5 21.0 21.5 21.5 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 22	23.0 23.0 21.5 23.0 21.5 23.0 23.0 23.5 23.0 22.0 22.0 22.5 22.5 23.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.5 20.0 20.0	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 22.0 21.0 20.5 21.5 21.5 21.5	23.5 23.0 23.5 23.5 23.5 23.5 24.0 23.5 23.0 23.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18				22.5 22.5 23.0 22.0 23.0 23.0 22.5 23.5 23.0 22.5 22.5 22.5	20.5 20.5 21.0 21.0 21.0 21.0 21.5 21.0 21.5 21.0 21.5 21.0 20.5 20.5	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 21.5 21.5 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.5 22.5 23.0 23.5 23.0	21.0 21.0 20.0 20.0 20.5 20.0 21.0 20.5 21.0 20.5 20.0 20.0 20.5 21.0 20.5 21.0 20.5	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.0 20.5 21.0 21.5 21.5 21.5	23.5 23.0 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18				22.5 22.5 23.0 23.0 23.0 23.0 22.5 23.5 23.0 23.0 22.5 22.5	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.0 21.5 21.0 20.5 20.5 20.5	21.5 21.5 21.5 21.5 21.5 22.0 22.0 21.5 22.0 22.0 21.5 21.5 21.5 21.0 21.0 21.0	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.5 22.5 22.5 23.0 23.5 23.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.0 20.0 20.0 20.0 20	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 22.0 22.0	23.5 23.0 23.5 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				22.5 22.0 23.0 23.0 23.0 23.0 22.5 23.5 23.0 22.5 22.5 22.5 22.5 22.5 22.5	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 21.5 21.5 21.5 21.0 21.0 21.0 21.0	23.0 23.0 21.5 23.0 21.5 23.0 23.0 23.5 23.0 22.0 22.5 23.0 23.5 23.0 22.5 23.0	21.0 21.0 20.0 20.0 20.0 20.5 20.0 21.0 20.5 21.0 20.5 20.0 20.0 20.0 20.5 21.0	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5	23.5 23.0 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				22.5 22.5 23.0 22.0 23.0 23.0 22.5 23.0 23.0 22.5 23.0 23.0 22.5 22.5 22.5 22.5	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.0 20.5 20.5 20.5 20.5 20.5	21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 22	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.5 22.5 23.0 23.5 23.0	21.0 21.0 20.0 20.0 20.5 20.0 20.5 21.0 20.5 20.0 20.5 21.0 20.5 21.0 20.5 21.0 20.5 21.0	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5	23.5 23.0 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				22.5 22.5 23.0 23.0 23.0 23.0 22.5 23.5 23.5 23.0 22.5 22.5 22.5 22.5 22.0 23.0 22.5	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.0 21.5 21.0 21.5 21.5 21.0 21.5 21.0 21.5 21.0 21.5 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 21.5 22.0 22.0 21.5 21.0 21.0 21.0 21.0 21.0 21.0	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.5 22.0 22.5 22.5 23.0 23.5 22.5 22.5 23.0 23.5 22.5 23.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.0 20.0 20.0	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5 21.5	23.5 23.5 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.5 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				22.5 22.5 23.0 22.0 23.0 23.0 22.5 23.0 23.0 22.5 23.0 23.0 22.5 22.5 22.5 22.5	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.0 21.5 21.0 21.5 21.0 21.5 21.0 21.5 21.0 21.5	21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 22	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.5 22.5 23.0 23.5 23.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.0 20.0 21.0 21.0 21.0 20.0 21.0 20.0 21.0 20.0 20	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5	23.5 23.0 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23				22.5 22.5 23.0 23.0 23.0 23.0 22.5 23.5 23.0 22.5 22.5 22.5 22.5 22.0 22.0 21.5 21.0	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.5 21.5 21.5 21.5 20.5 20.5 20.5 20.5 20.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 21.5 21.5 21.5 21.0 21.0 21.0 21.0 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.0 22.5 23.0 23.5 23.0 22.5 23.0 23.5 23.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.0 20.0 21.0 21.0 21.0 20.0 21.0 20.0 21.0 20.0 20	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	23.5 23.0 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25				22.5 22.5 23.0 23.0 23.0 23.0 22.5 23.5 23.0 22.5 22.5 22.5 22.5 22.0 23.0 22.0 22.0 23.0 22.5	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.0 21.5 21.0 21.5 20.5 20.5 20.5 20.5 20.0 20.5 20.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.5 22.0 22.0 21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.5 22.5 23.0 23.5 23.0 22.5 22.5 23.0 23.5 24.0 24.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.0 20.5 21.0 21.0 21.0 21.0 21.0 21.0	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0	23.5 23.0 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.5 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26				22.5 22.5 23.0 23.0 23.0 23.0 23.0 22.5 23.5 23.0 22.5 22.5 22.5 22.5 22.0 23.0 22.5 22.5 22.5	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.5 21.0 21.5 21.5 21.0 21.0 21.0 21.0 21.0 21.0 21.0 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 21.5 21.5 21.5 21.0 21.0 21.0 21.0 21.5 21.5 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.0 23.5 23.0 22.0 22.5 22.5 23.0 23.5 23.0 23.5 23.0 23.5 23.0 22.5 22.5 23.0 23.5 23.5 24.0 24.0 25.5 26.0 27.5	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.5 21.0 21.0 20.0 21.5 21.5	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	23.5 23.0 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25				22.5 22.5 23.0 23.0 23.0 23.0 22.5 23.5 23.0 22.5 22.5 22.5 22.5 22.0 23.0 22.0 22.0 23.0 22.5	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.0 20.5 20.5 20.5 20.5 20.5 20.5 20.5 20	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.5 22.0 22.0 21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.5 22.5 23.0 23.5 22.0 22.5 22.5 23.0 23.5 24.0 24.0 24.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.5 21.0 21.0 20.0 21.5 21.5	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0	23.5 23.0 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.5 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29				22.5 22.5 23.0 23.0 23.0 23.0 23.5 23.5 23.0 22.5 22.5 22.5 22.5 22.0 23.0 22.0 21.5 22.0 23.0 22.0 23.0	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.0 21.5 21.0 21.5 21.0 20.5 20.5 20.5 20.5 20.5 20.0 20.5 21.0 20.5 20.5 20.5 20.5 20.5 20.5 20.5 20	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.0 21.0 21.0 21.5 21.5 21.5 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.5 22.5 23.0 23.5 23.0 23.5 24.0 24.0 24.0 24.0 24.0 25.5 26.0 27.5 28.0 29.0 20.0 20.0 20.0 20.0 20.0 20.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.5 21.0 21.5 21.0 21.5	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.5 22.0 22.0	23.5 23.0 23.5 23.5 23.5 24.0 24.0 24.0 24.0 25.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26	21.5 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.5 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30				22.5 22.5 23.0 22.0 23.0 23.0 22.5 23.5 23.0 22.5 22.5 22.5 22.0 23.0 22.5 22.5 22.0 23.0 22.5 22.5 22.5 22.0 23.0 22.5 22.5 22.5 22.5 22.5 22.5 22.5 22	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.5 21.0 21.5 21.0 21.5 21.0 21.0 21.0 21.0 21.0 21.0 21.0 21.0	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.0 23.5 23.0 22.0 22.5 23.0 23.5 23.5 24.0 24.0 24.0 24.0 23.5 24.0 24.0 23.5 24.0 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 24.0 23.5 24.0 24.0 25.0 26.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.5 21.0 21.0 21.5 21.5 21.0 21.5 21.0 21.5	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	23.5 23.0 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29				22.5 22.5 23.0 23.0 23.0 23.0 23.5 23.5 23.0 22.5 22.5 22.5 22.5 22.0 23.0 22.0 21.5 22.0 23.0 22.0 23.0	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.0 21.5 21.0 21.5 21.0 20.5 20.5 20.5 20.5 20.5 20.0 20.5 21.0 20.5 20.5 20.5 20.5 20.5 20.5 20.5 20	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.0 21.0 21.0 21.5 21.5 21.5 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.5 22.5 23.0 23.5 23.0 23.5 24.0 24.0 24.0 24.0 24.0 25.5 26.0 27.5 28.0 29.0 20.0 20.0 20.0 20.0 20.0 20.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.5 21.0 21.5 21.0 21.5	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 22.0 21.0 22.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0	23.5 23.0 23.5 23.5 23.5 24.0 24.0 24.0 24.0 25.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26	21.5 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.5 22.5 22.5
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30				22.5 22.5 23.0 22.0 23.0 23.0 22.5 23.5 23.0 22.5 22.5 22.5 22.0 23.0 22.5 22.5 22.0 23.0 22.5 22.5 22.5 22.0 23.0 22.5 22.5 22.5 22.5 22.5 22.5 22.5 22	20.5 20.5 21.0 21.0 21.0 21.5 21.0 21.5 21.0 21.5 21.0 20.5 20.5 20.5 20.0 20.5 21.0 20.5 20.0 20.5 20.5 20.5 20.5 20.5 20	21.5 21.5 21.5 21.5 21.5 22.0 22.0 22.0 22.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5	23.0 23.0 21.5 23.0 21.5 23.0 23.5 23.0 22.0 22.5 22.5 23.0 23.5 23.0 23.5 24.0 24.0 24.0 24.0 24.0 25.5 26.0 27.5 28.0 29.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	21.0 21.0 20.0 20.0 20.0 20.5 21.0 20.5 21.0 20.5 20.0 20.0 20.5 21.0 21.0 21.5 21.5 21.0 21.5 21.0 21.5	22.0 21.5 21.0 21.0 21.0 22.0 22.0 22.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	23.5 23.0 23.5 23.5 23.5 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5 24.0 23.5	21.5 21.0 21.0 21.0 21.0 21.0 21.5 21.5 21.5 21.5 21.5 21.5 21.5 21.5	22.0 22.0 22.0 22.0 22.0 22.0 22.5 22.5

HAWAII, ISLAND OF OAHU

16213000 WAIKELE STREAM AT WAIPAHU--Continued WATER-QUALITY RECORDS

WATER TEMPERATURE, (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBE	R
1	24.0	21.5	22.5	24.5	21.5	22.5	22.5	22.0	22.5	24.0	21.5	22.5
2	23.5	21.5	22.5	23.5	22.0	22.5	24.0	21.5	22.5	23.5	21.5	22.5
3	23.5	21.5	22.0	24.0	21.5	22.5	22.5	21.5	22.0	23.5	21.5	22.5
4	24.0	21.5	22.5	23.5	21.5	22.5	23.0	22.0	22.5	23.5	21.5	22.0
5	23.5	21.5	22.0	23.5	21.5	22.5	24.0	22.0	23.0	24.0	21.5	22.5
6	24.0	21.5	22.5	23.5	21.5	22.5	24.5	22.5	23.5	23.5	21.5	22.5
7	24.0	21.5	22.5	24.5	22.0	23.0	24.5	22.0	23.0	23.5	21.5	22.0
8	24.0	21.5	22.5	24.0	22.5	23.0	24.0	22.0	22.5	23.0	21.5	22.0
9	23.0	21.5	22.0	23.5	22.0	22.5	24.0	21.5	22.5	23.5	21.5	22.0
10	23.5	21.5	22.0	24.0	21.5	22.5	24.0	21.5	22.5	23.5	21.5	22.0
11	23.5	21.5	22.5	24.0	22.0	22.5	23.5	21.5	22.5	23.0	21.5	22.0
12	24.0	21.5	22.5	23.5	22.0	22.5	24.0	21.5	22.5	23.5	21.5	22.0
13	24.0	21.0	22.5	23.5	22.0	22.5	24.5	22.5	23.5	23.5	21.5	22.0
14	23.5	21.5	22.0	23.0	22.0	22.5	24.5	22.5	23.0	23.5	21.5	22.0
15	23.0	21.5	22.0	23.5	22.0	22.5	24.5	22.0	23.0	23.5	21.5	22.5
16	24.5	21.5	22.5	24.5	22.0	23.0	24.0	22.0	23.0	23.0	21.5	22.0
17	23.0	22.0	22.5	23.5	22.0	22.5	24.0	23.0	23.5	23.0	21.5	22.0
18	24.0	21.5	22.5	24.0	22.0	22.5	24.0	22.0	23.0	23.5	21.5	22.0
19	23.0	21.5	22.0	23.5	22.0	23.0	23.5	21.5	22.5	23.5	21.5	22.0
20	24.0	21.5	22.5	24.5	22.5	23.5	22.5	21.5	22.0	23.0	21.5	22.0
21	24.5	22.0	23.0	23.0	22.0	22.5	24.5	21.5	22.5	23.5	21.5	22.0
22	24.0	21.5	22.5	24.0	22.0	23.0	24.0	21.5	22.5	23.5	21.5	22.0
23	24.0	21.5	22.5	23.5	22.0	23.0	23.0	21.5	22.0	23.0	21.5	22.0
24	24.5	21.5	23.0	23.0	21.5	22.0	24.0	21.5	22.5	23.5	21.5	22.0
25	23.5	21.5	22.5	24.0	21.5	22.5	23.5	21.5	22.0	22.5	21.0	21.5
26	23.5	22.0	22.5	24.5	22.5	23.0	23.5	21.5	22.0	23.5	21.0	22.0
27	24.0	21.5	22.5	24.5	22.5	23.0	24.0	21.5	22.5	23.0	21.0	22.0
28	24.5	22.0	23.0	24.5	22.5	23.5	23.5	21.5	22.5	22.5	21.5	22.0
29	23.5	22.0	22.5	23.0	22.0	22.5	24.0	21.5	22.5	23.0	21.0	22.0
30	23.5	22.0	22.5	24.0	22.0	23.0	23.5	21.5	22.5	23.5	21.5	22.0
31				24.5	22.0	23.0	23.5	21.5	22.5			
MONTH	24.5	21.0	22.4	24.5	21.5	22.7	24.5	21.5	22.6	24.0	21.0	22.1

